

CONFIDENTIAL

A VERY LOW CURRENT OSCILLATOR WITH VARIABLE DUTY CYCLE

ABSTRACT OF THE DISCLOSURE

A low current oscillator circuit comprising a comparator for driving an output signal. A first capacitor chain is coupled to the
5 comparator. The first capacitor chain is configured for setting a first input voltage of the comparator. A second capacitor chain is also coupled to the comparator. The second capacitor chain is configured for setting a second input voltage of the comparator, wherein the first capacitor chain and the second capacitor chain determine a first
10 voltage level and a second voltage level of oscillation of the comparator. The first capacitor chain and the second capacitor chain are free of DC current flow.